

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	380	viterbi with ("multiplicative factor" rescal\$6 scal\$6 factor\$4)	US-PGPUB; USPAT	OR	OFF	2005/01/31 10:33
S2	64	((hmm viterbi) with ("multiplicative factor" rescal\$6 scal\$6 factor\$4)) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/01/31 10:33
S3	402	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4)	US-PGPUB; USPAT	OR	OFF	2005/02/21 10:06
S4	216	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document)	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:31
S5	10	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and ("statistical modeling" "statistical modelling")	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:39
S6	4	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and ("information extraction")	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:47
S7	18	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/20 15:45
S8	28	(hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/20 16:02
S9	48	(hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:41
S10	27	(hmm "hidden markov model") and viterbi and ((multipl\$8) with factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:52
S11	49	(hmm "hidden markov model") and viterbi and ((multipl\$8 scal\$4) with factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:41
S12	217	(hmm "hidden markov model") and viterbi and (factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:58
S13	258	(hmm "hidden markov model") and viterbi and (scal\$6)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:59

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S2	64	((hmm viterbi) with ("multiplicative factor" rescal\$6 scal\$6 factor\$4)) and "704"/\$.ccls.	US-PGPUB; USPAT	OR	OFF	2005/01/31 10:33
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S4	216	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document)	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:31
S5	10	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and ("statistical modeling" "statistical modelling")	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:39
S6	4	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and ("information extraction")	US-PGPUB; USPAT	OR	OFF	2005/02/20 14:47
S7	18	"704"/\$.ccls. and (hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/20 15:45
S8	28	(hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (text document) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/20 16:02
S9	48	(hmm "hidden markov model") and viterbi and (multipl\$8 factor scal\$4) and (state with ("re-entry" "reentry" "reenter" "re-enter" reent\$6 repeat\$4))	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:41
S10	27	(hmm "hidden markov model") and viterbi and ((multipl\$8) with factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:52
S11	49	(hmm "hidden markov model") and viterbi and ((multipl\$8 scal\$4) with factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:41
S12	217	(hmm "hidden markov model") and viterbi and (factor)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:58
S13	258	(hmm "hidden markov model") and viterbi and (scal\$6)	US-PGPUB; USPAT	OR	OFF	2005/02/22 13:59

S14	0	"6542635".ap.	US-PGPUB; USPAT	OR	OFF	2005/04/05 16:00
S15	1	("6542635").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/05 16:00
S16	0	"988601".ap.	US-PGPUB; USPAT	OR	OFF	2005/04/06 11:08
S17	342	704/1.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:25
S18	806	704/9.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:43
S19	950	715/500.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:43
S20	875	715/530.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:26
S21	605	715/531.ccls.	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:42
S22	3	715/531.ccls. and viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:40
S23	3	715/531.ccls. and viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:42
S24	2	715/500.ccls. and viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 12:43
S25	34	704/9.ccls. and viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 14:04
S26	428	(modif\$4 variation) with viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 13:31
S27	35	((modif\$4 variation) with viterbi) and ("704"/\$.ccls. "715"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2005/04/06 13:42
S28	152	((document) with segment\$6 pars\$4) and viterbi and ("704"/\$. ccls. "715"/\$.ccls.)	US-PGPUB; USPAT	OR	OFF	2005/04/06 13:59
S29	466	((document) with segment\$6 pars\$4) and viterbi	US-PGPUB; USPAT	OR	OFF	2005/04/06 13:59
S30	4	"118968".ap.	US-PGPUB; USPAT	OR	OFF	2005/04/06 14:04

S14	0	"6542635".ap.	US-PGPUB; USPAT	OR	OFF	2005/04/05 16:00
S15	1	("6542635").PN.	US-PGPUB; USPAT	OR	OFF	2005/04/05 16:00

100

100

Access DB#

143703

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name Minerva Rivero Examiner #: 80496 Date: 1/31/05
Art Unit: 2655 Phone Number 703-605-4377 Serial Number: 09/988601
Location: SR11 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method of Improving an HMM based Text Mark-up
Inventors (please provide full names): _____

Earliest Priority Filing Date: 11/20/2001

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

HMM and Viterbi

Viterbi with (multiplicative factor or rescaling
or scaling)

* Focus on claim 1, element b.

204/206

STAFF USE ONLY

Searcher: Patel Samir
Searcher Phone #: 306-0254
Searcher Location: PK2-3103
Date Searcher Picked Up: 12:45p.m/02/08
Date Completed: 2:15p.m/02/08
Searcher Prep & Review Time: 200
Clerical Prep Time: _____
Online Time: 115

Type of Search

Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic ☒
Litigation _____
Fulltext ☒
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog ☒
Questel/Orbit _____
Dr.Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet ☒
Other (specify) _____

13

SEARCH REQUEST FORM

Access DB# 150066

Scientific and Technical Information Center

Requester's Full Name Minerva Rivero Examiner #: 80496 Date: 4/6/05
Art Unit: 2655 Phone Number 571-272-7573 Serial Number: 09/988601
Location: Knox Results Format Preferred (circle): PAPER DISK E-MAIL
8D24

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Method of Improving an HMM-based Text Mark-up System

Inventors (please provide full names): _____

Earliest Priority Filing Date: 11/20/2001

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

- ((document resume) with (parsing segmenting)) and (hmm or viterbi)
- (document resume) with ("information extraction") and (hmm or viterbi)
- see attached highlighted EAST search queries
- focus on claim 1, element b; claim 2; claim 4

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>Dated Sami L</u>	Sequence (#) _____	STN _____
Searcher Phone #: <u>2-3537</u>	AA Sequence (#) _____	Dialog <u>✓</u> <u>\$461.80</u>
Searcher Location: <u>KNX 8888</u>	Structure (#) _____	Questel/Orbit _____
Date Searcher Picked Up: <u>4:15 PM / 04/08</u>	Bibliographic <u>✓</u>	Dr.Link _____
Date Completed: <u>2:15 PM / 04/11</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>150</u>	Fulltext <u>✓</u>	Sequence Systems _____
Clerical Prep Time: _____	Patent Family _____	WWW/Internet <u>✓</u>
Online Time: <u>150</u>	Other _____	Other (specify) _____